WM-FX55

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model
Tourist Model

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

Model Name Using Similar Mechanism	WM-EX60/EX70
Tape Transport Mechanism Type	MT-WMFX55-60

SPECIFICATIONS

Radio section

Frequency range FM: 87.5 – 108.0 MHz
AM: 530 – 1,710 kHz (Canadian model)
AM: 522 - 1,611 kHz (IT model)
531 – 1,602 kHz (model for other countries)

Antenna FM:Headphones cord antenna
AM: Built-in ferrite bar antenna

Tape player section and general

Frequency response (DOLBY NR* off)
40 – 15,000 Hz

Output Headphones (PHONES/REMOTE jack) load impedance 8 – 300 Ω

Power output 5 mW + 5 mW at DC operation

Power requirements
3 V DC
Two R6 (size AA) batteries
DC IN 3 V jack accepts
Sony AC-E30L AC power adaptor (not supplied)
available in Canada for use on 120 V AC, 60 Hz
available in other coutries for use on 100 – 120 V AC or 220 – 240 V AC, 50 or 60 Hz

Battery life

Battery	Playback hours	Radio (FM) Reception
Sony SUM-3 (NS)	Approx. 3 hours	Approx. 8 hours
Sony AM3 (N)	Approx. 10.5 hours	Approx. 25 hours

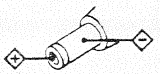
For maximum performance we recommend the use of alkaline batteries.

Dimensions Approx. 114.5 × 80.7 × 31.8 mm (w/h/d) incl. projecting parts and controls
(Approx. $4^5/_8 \times 3^1/_4 \times 1^5/_{16}$ in.)

Weight Approx. 230 g (8.2 oz) incl. batteries, not incl. other accessories

Note on the AC power adaptor

Use only the recommended AC power adaptor (not supplied).
Do not use any other AC power adaptor.

Polarity of the plug 

MICROFILM

FM/AM RADIO CASSETTE PLAYER

SONY®

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SECTION 1
SERVICING NOTE

This set detects reel rotation by PH701 (photo sensor). Reel rotation cannot be detected when the main board is removed, because PH701 is mounted on the main board. As a result, the auto-off circuit and tape end detection will misoperate. And, up and down of head and power supply of playback circuit cannot operate when the main board is removed, because S 703 (NR switch) is mounted to the main board (S703 is linked to on and off of the plunger solenoid.)
Therefore, operation check of the mechanism deck and voltage check can be performed by the method shown below.

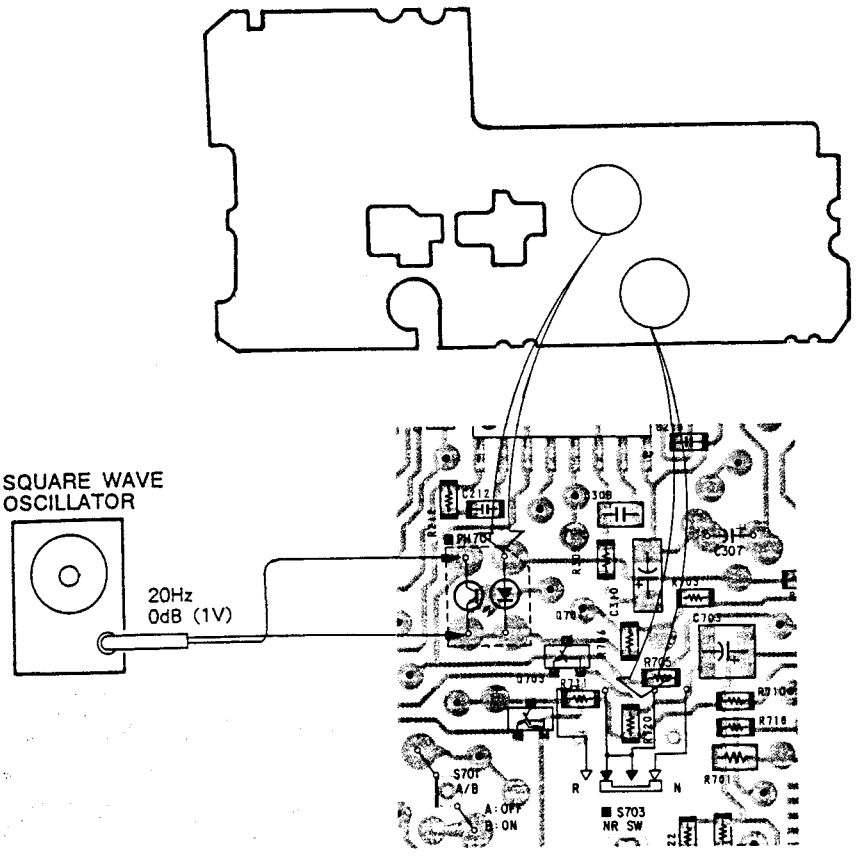
FF/REW mode

1) Switch position S703 : STOP (Center)
2) Apply the square wave signal to the PH701.
3) Press the ◄◄ or ►► key.

PLAY mode

1) Switch position S703 : STOP (Center)
2) Apply the square wave signal to the PH701.
3) Press the ► key.
4) Turn on S703 a few seconds later.

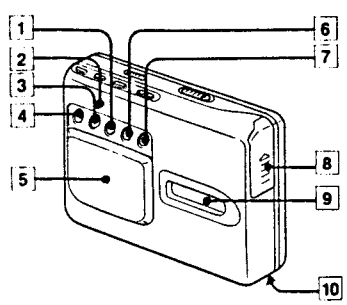
— AUDIO Board —

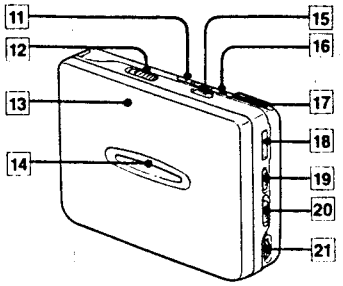


SECTION 2
GENERAL

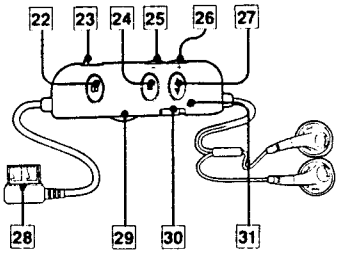
Parts Identification
Nomenclature

Main unit
Appareil





Headphones with remote controller
Casque avec télécommande



Main unit

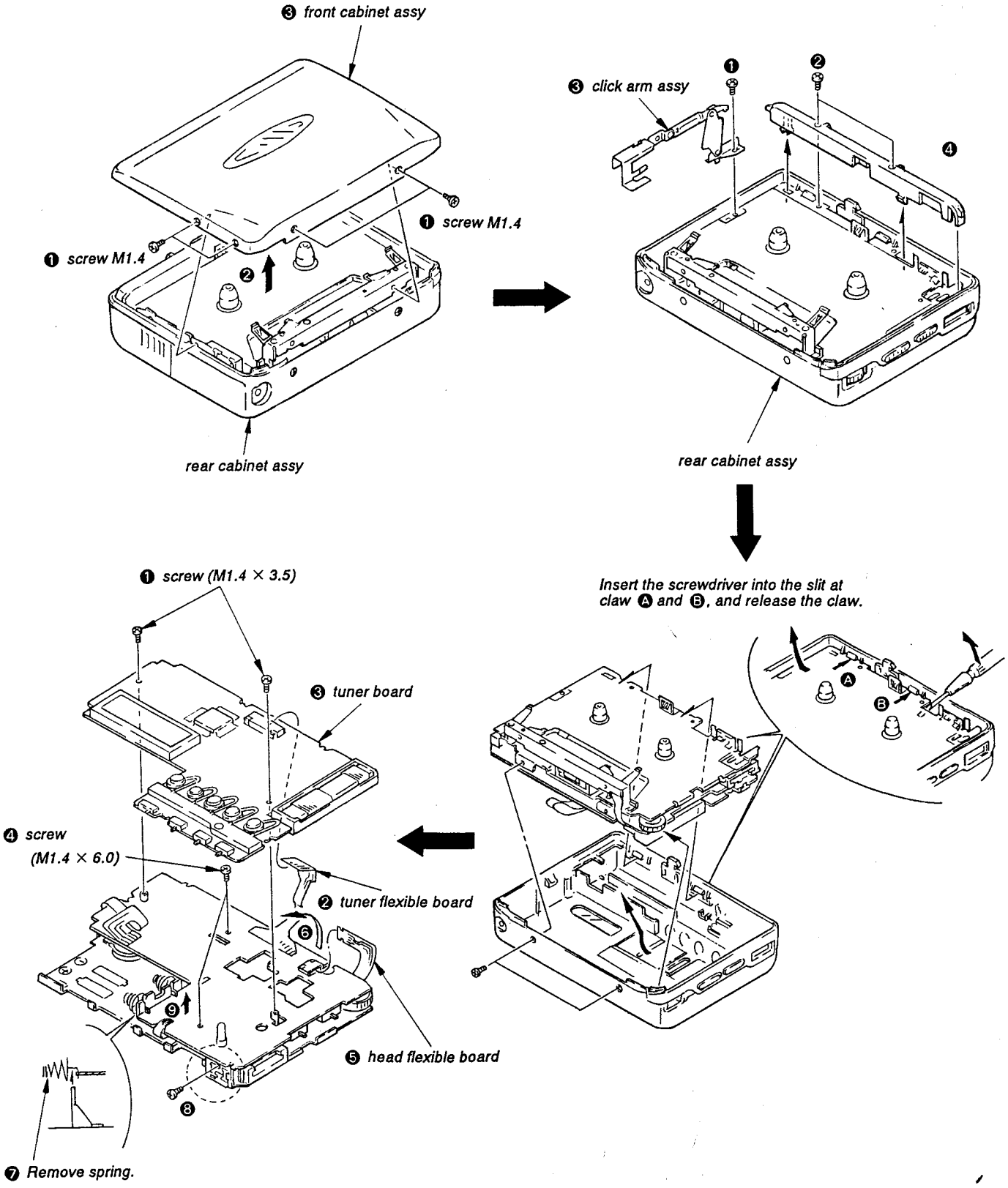
1. FF (fast-forward)/PRESET + button
2. BATT (battery) indicator
3. REW (rewind)/PRESET – button
4. RADIO ON/BAND (radio on/band selector) button
5. Hold cover (sliding cover for protection)
6. ■ (stop)/RADIO OFF button
7. ◄► (playback/tape transport direction change) button
8. Battery compartment lid
9. Display window
10. DC IN 3 V jack
11. FM DX • LOCAL selector (Canadian model only)
    FM ST • MONO (FM stereo/monaural) selector (model for other countries)
12. OPEN switch
13. Cassette holder
14. Window
15. MODE ⇄ • ⇆ (tape transport) selector
16. ENTER button
17. SCAN – • + (tuning) buttons
18. PHONES/REMOTE (headphones with remote controller) jack
19. DOLBY NR (dolby noise reduction) ON/OFF selector
20. MEGA BASS selector
21. VOL control

Headphones with remote controller

22. B (radio on/band selector) button
23. AVLS (automatic volume limiter system) switch
24. ■ (stop)/radio off button
25. REW (rewind)/– (preset –) button
26. FF (fast-forward)/+ (preset +) button
27. ◄► (playback/tape transport direction change) button
28. Nine-pole plug
29. VOL (volume) control
30. HOLD switch
31. HOLD indicator

SECTION 3
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.



SECTION 4
ADJUSTMENTS

4-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :
   playback head　　rubber belts
   capstan　　idlers
   pinch roller
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage (3V) unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	20 - 40 g-cm (0.28 - 0.55 oz-inch)
FWD Back Tension		1.0 - 4 g-cm (0.02 - 0.04 oz-inch)
REV	CQ-102RB	20 - 40 g-cm (0.28 - 0.55 oz-inch)
REV Back Tension		1.0 - 3.5 g-cm (0.02 - 0.04 oz-inch)
FF	CQ-201B	more than 50 g-cm (more than 0.70 oz-inch)
REW		more than 50 g-cm (more than 0.70 oz-inch)

Tape Pulling Force Measurement

Mode	Torque meter	Meter reading
FWD	CQ-403A	more than 35 g
REV	CQ-403R	more than 35 g

4-2. ELECTRICAL ADJUSTMENTS

PRECAUTION

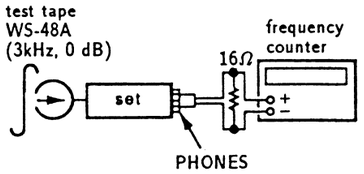
1. Power supply voltage : 3V
2. Switch position
   DOLBY NR switch : OFF
   DBB switch : OFF

Test Tape

Type	Signal	Used for
WS-48A	3 kHz, 0 dB	Tape Speed Adjustment

TAPE SPEED ADJUSTMENT

Procedure :

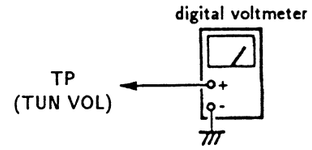


1. Play back WS-48A (tape center portion) in FWD mode. Adjust the RV601 so that the frequency counter reads 3,000 ± 15Hz.
2. Play back WS-48A (tape center portion) in REV mode. Confirm that the reading of frequency counter is within 2.5% from the reading in step 1.

Radio Section

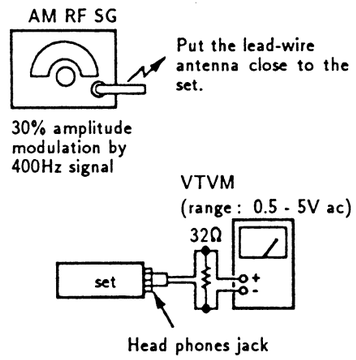
AM SECTION

BAND switch : AM



AM TUNING VOLTAGE ADJUSTMNET	
Adjust for following values on digital voltmeter	
Display indication	AM (530kHz), < 531kHz> , [522kHz]
Digital voltmeter reading	1.10 ± 0.05V
Adjustment part	L4

AM Tracking Adjustment



- Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

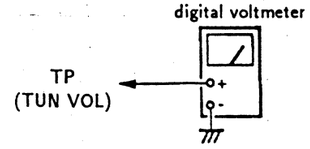
AM TRACKING ADJUSTMENT		
Adjust for a maximum reading on VTVM.		
Display indication	(630kHz), < 621kHz> , [621kHz]	AM (1490kHz), < 1395kHz> , [1395kHz]
SG frequency		
Adjustment part	L1	CT1

AM IF ALIGNMENT	
Adjust for a maximum reading on VTVM.	
Display indication	AM (1,710kHz), < 1,602kHz> , [1,611kHz]
SG frequency	
Adjustment part	T1

FM SECTION

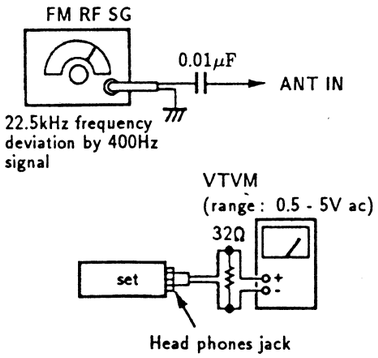
FM Tuning Voltage Adjustment

BAND switch : FM



FM TUNING VOLTAGE ADJUSTMNET	
Adjust for following values on digital voltmeter	
Display indication	FM 87.5MHz
Digital voltmeter reading	3.3 ± 0.05V
Adjustment part	L3

FM Tracking Adjustment



- Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

FM TRACKING ADJUSTMENT		
Adjust for a maximum reading on VTVM.		
Display indication	FM 87.5MHz	FM 108.00MHz
SG frequency	87.5MHz	108.00MHz
Adjustment part	L2	CT2

( ) : US, Canadian　< > : AEP, E, UK　[ ] : Italian

VCO Adjustmen

BAND switc

Pin ④ of

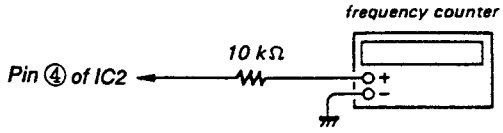
Procedure:

1. Connect an
   OUT) and gr
2. Adjust RV1 f
3. Remove elec

Adjustment F

VCO Adjustment

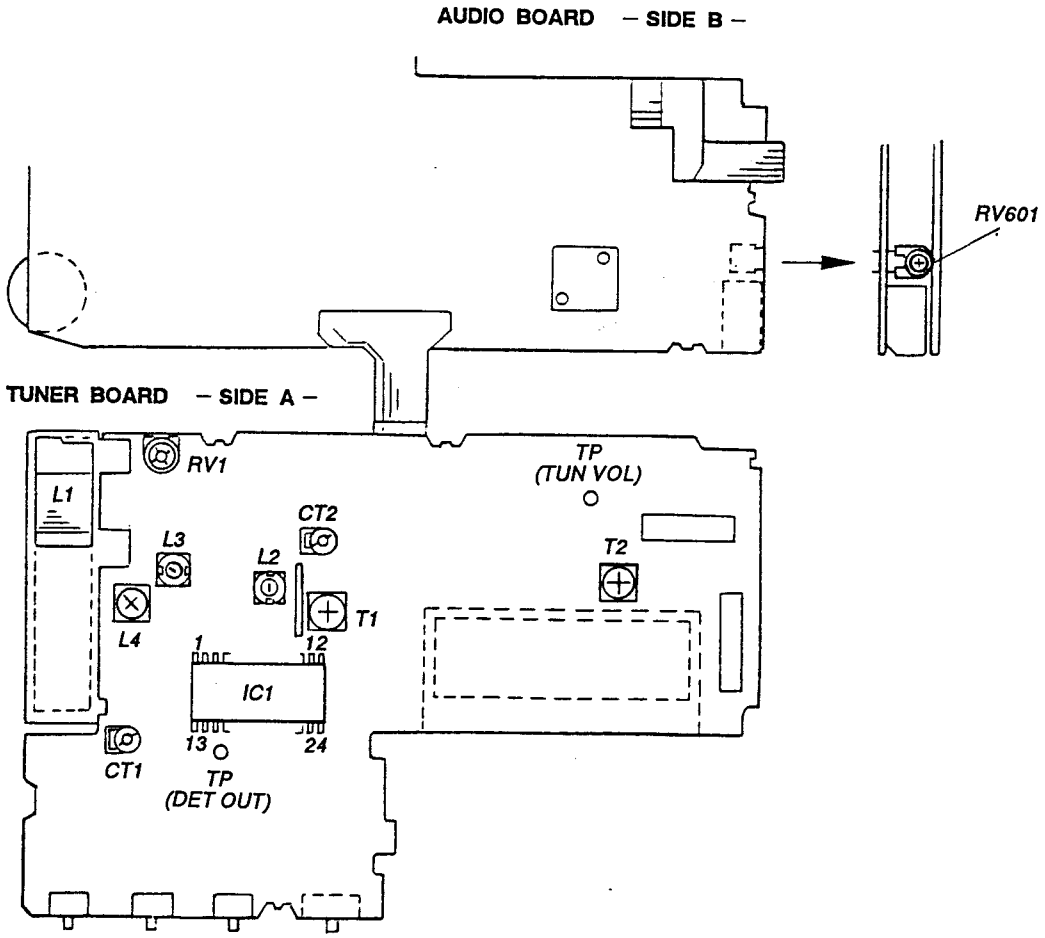
BAND switch: FM



Procedure:

1. Connect an electrolytic capacitor 1 μF between TP (DET OUT) and ground.
2. Adjust RV1 for 76.0 ± 0.3 kHz on the counter.
3. Remove electrolytic capacitor connected in step 1.

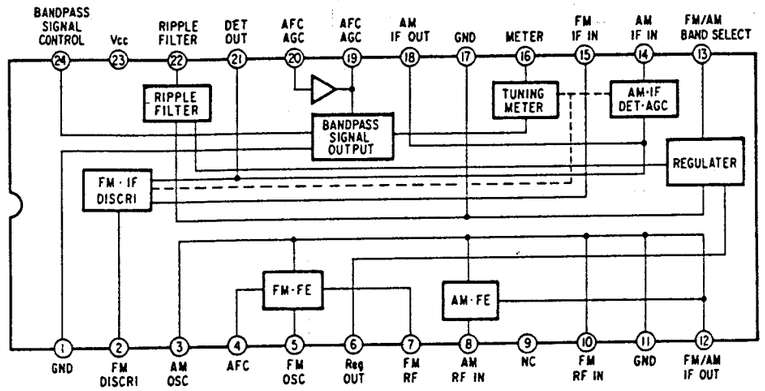
Adjustment Parts Location Diagram:



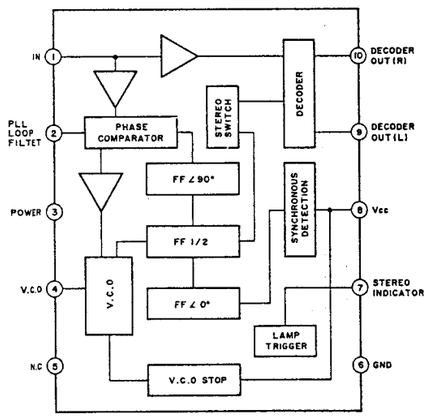
SECTION 5
DIAGRAMS

• IC Block Diagrams

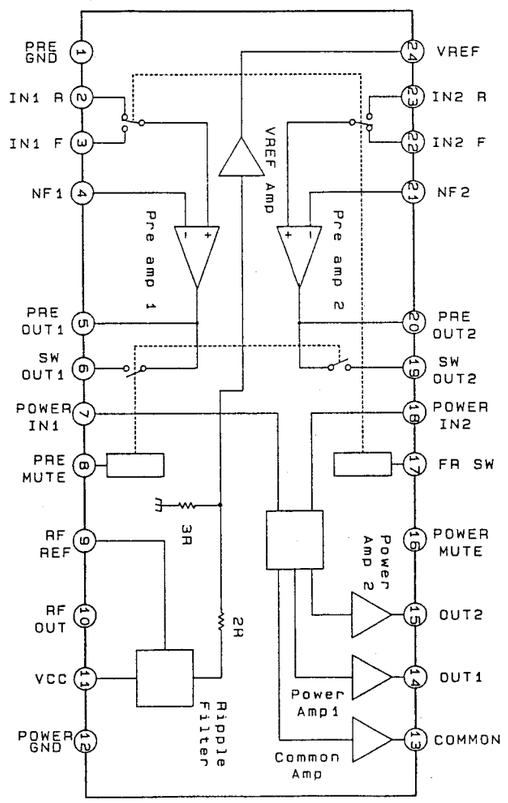
IC1 CX20111



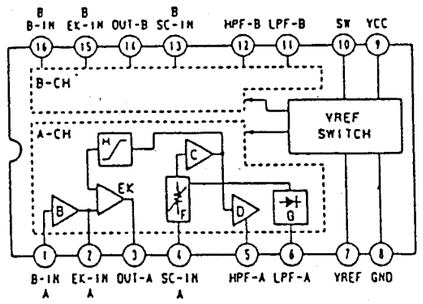
IC2 LA3335M



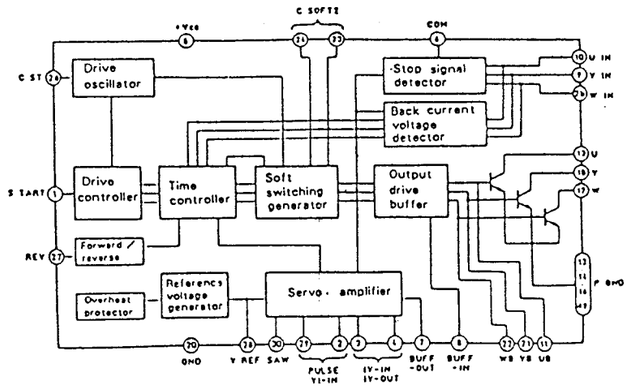
IC301 LA4581M



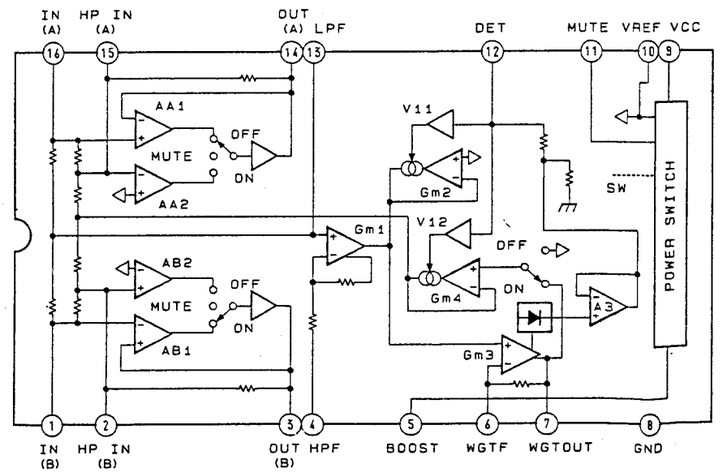
IC302 NJM2063AM



IC601 TLP326ADB

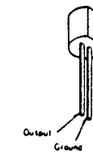


IC303 RC2106M

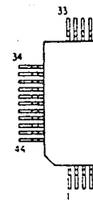


• Semico

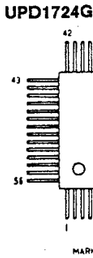
S-8051-HN-



MSM6576-

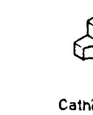


UPD1724G



XN4601
XN4608

CL-70G-CD

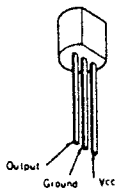


Cathi

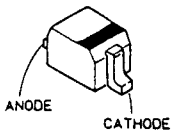
KV1560

• Semiconductor Lead Layouts

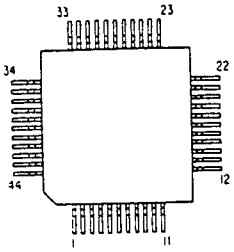
S-8051-HN-CD-S



MA110
MA728
MA729

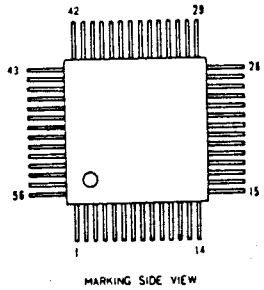


MSM6576-03GS

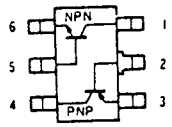


NJL5161K-B

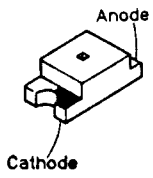
UPD1724GB-566-1P7



XN4601
XN4608



CL-70G-CD

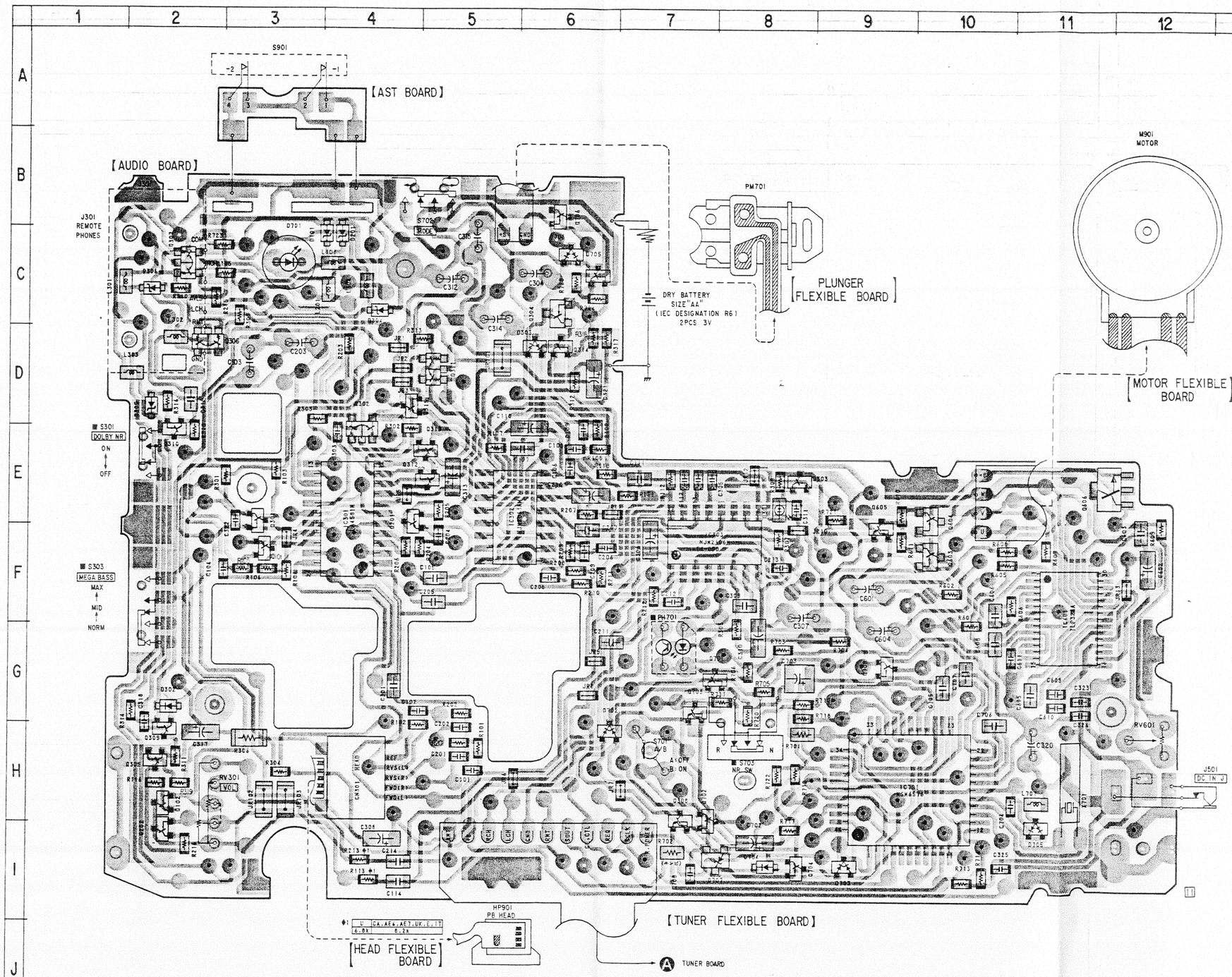


KV1560

5-1. AUDIO SECTION PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAM

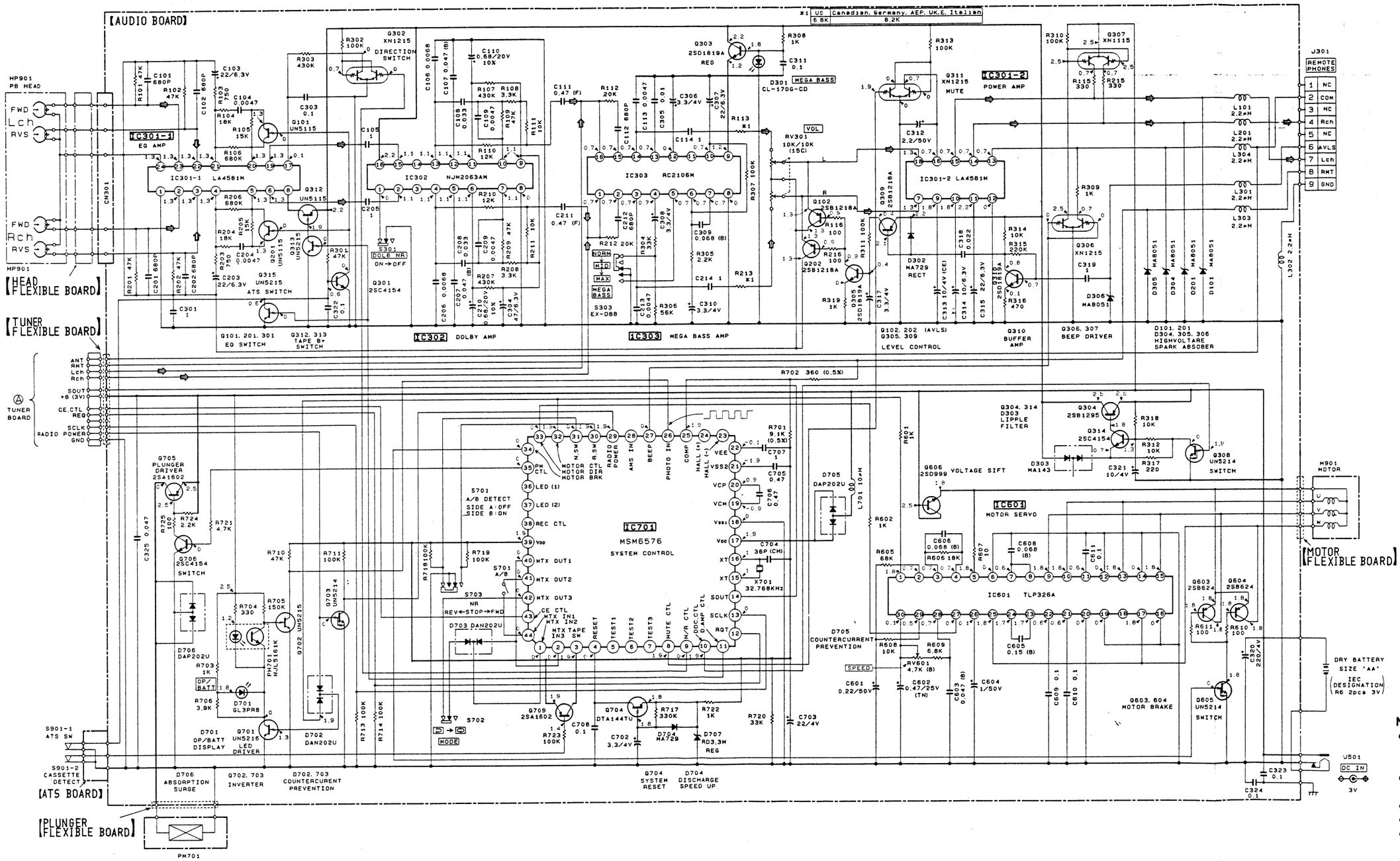
- **Semiconductor Location**

Ref. No.	Location
D101	C-4
D201	C-4
D301	E-8
D302	G-2
D303	D-6
D304	C-4
D305	D-2
D306	C-2
D701	C-3
D702	H-6
D703	I-9
D704	I-8
D705	I-11
D706	C-6
D707	I-8
IC301	E-4
IC302	E-5
IC303	F-7
IC601	F-11
IC701	H-9
Q101	H-2
Q102	H-2
Q201	E-4
Q202	I-2
Q301	E-3
Q302	E-4
Q303	E-8
Q304	C-6
Q305	H-2
Q306	D-2
Q307	C-2
Q308	H-7
Q309	H-2
Q310	E-2
Q311	D-5
Q312	E-5
Q313	E-5
Q314	D-6
Q315	D-4
Q603	F-10
Q604	E-10
Q605	E-9
Q606	E-11
Q701	G-8
Q702	H-6
Q703	G-7
Q704	I-8
Q705	C-6
Q706	B-6
Q709	G-9



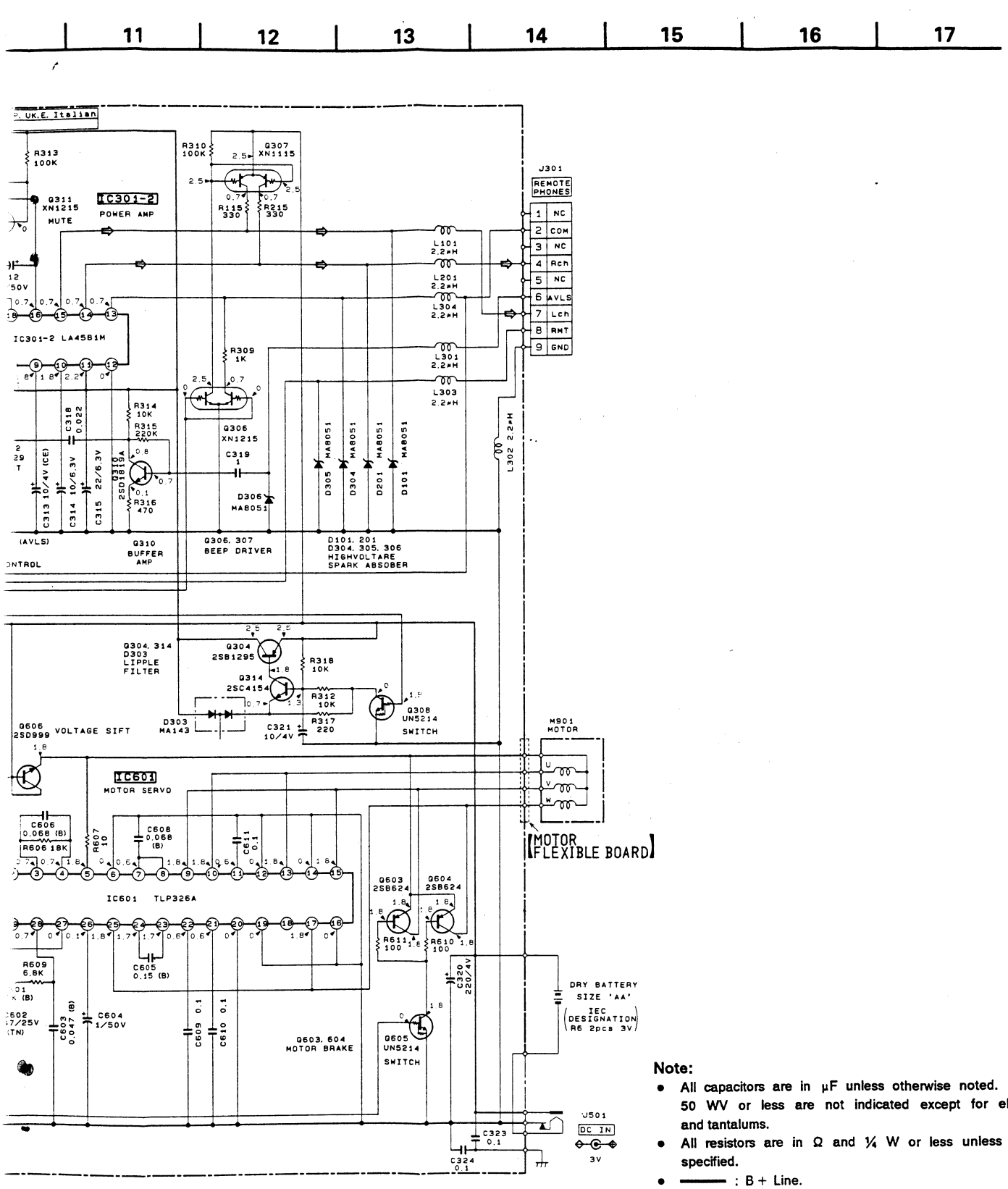
Note:

- ■ : parts mounted on the conductor side.
- ● : Through hole.
- ▒ : Pattern on the side which is seen.
- ▒ : Pattern of the rear side.



Note:

- All capacitors are in μF unless otherwise noted. 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ——— : B + Line.
- ▭ : adjustment for repair.
- Power voltage is dc 3 V and fed with regulated dc power supply from external power voltage jack.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : PLAY
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : PB (DECK A)



Note:

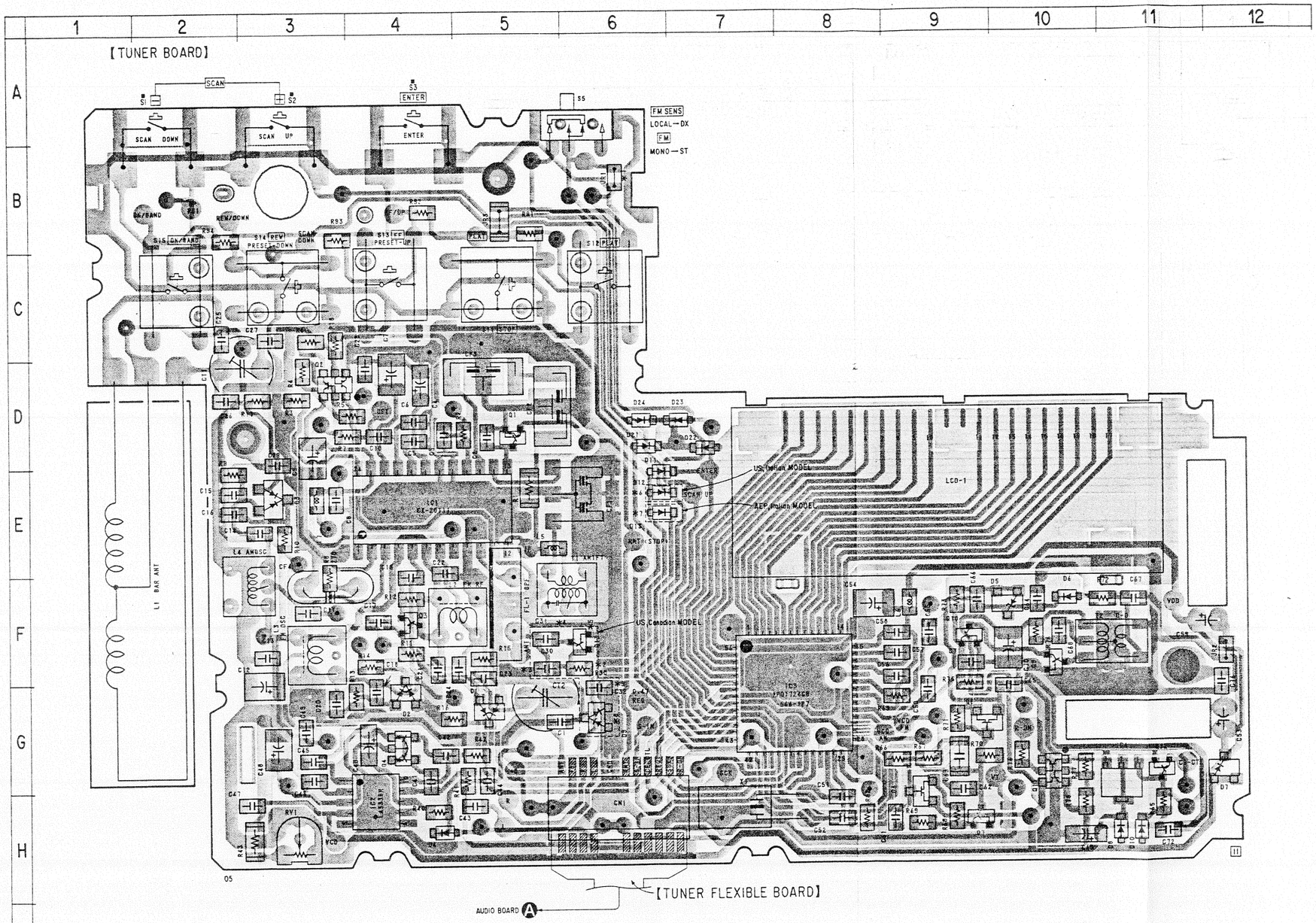
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ——— : B + Line.
- ▭ : adjustment for repair.
- Power voltage is dc 3 V and fed with regurated dc power supply from external power voltage jack.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : PLAY
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : PB (DECK A)

5-2. TUNER SECTION PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAM

• See page 8 for IC Block Diagrams and page 10 for Semiconductor Lead Layouts.

• Semiconductor Location

Ref. No.	Location
D1	G-5
D2	G-4
D3	E-3
D4	H-4
D5	F-10
D6	F-10
D7	G-12
D8	H-11
D9	G-6
D10	H-11
D11	E-6
D12	E-6
D13	E-6
D21	D-6
D22	D-7
D23	D-7
D24	D-6
IC1	E-4
IC2	H-4
IC3	G-8
IC4	G-11
Q1	D-5
Q2	D-3
Q3	F-4
Q4	G-4
Q6	H-9
Q7	H-9
Q8	G-9
Q9	F-10
Q10	F-9
Q11	G-10
Q12	G-11
Q13	F-6



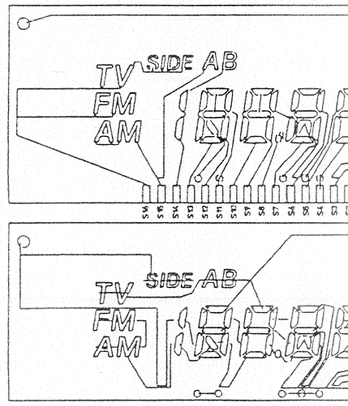
Note:

- ■ : parts mounted on the conductor side.
- ● : Through hole.
- ▨ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.

Note:

- All capacitors are in µF unless 50 WV or less are not indic and tantalums.
- All resistors are in Ω and ¼ specified.
- ——— : B + Line.
- ▭ : adjustment for repair.
- Power voltage is dc 3 V and fed v from external power voltage jack.
- Voltages and waveforms are dc no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (1 Voltage variations may be note tolerances.
- Waveforms are taken with a oscill Voltage variations may be note tolerances.
- Signal path.
  ⇨ : FM ➡ : FM RF

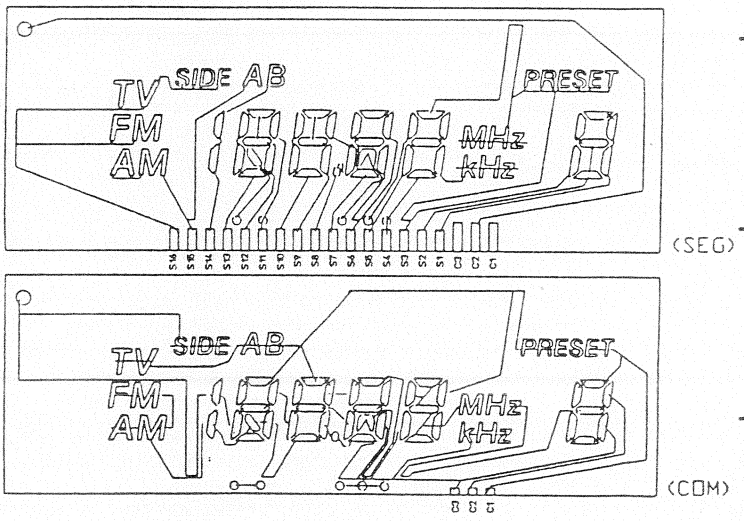
• LCD1 INTERNAL CONNECTION

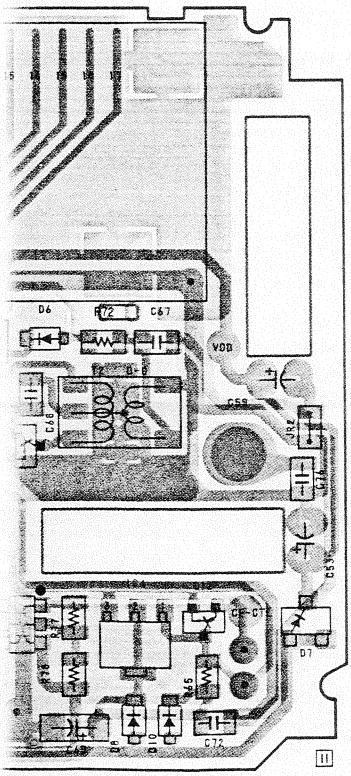


Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantaiums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ——— : B + Line.
- ▭ : adjustment for repair.
- Power voltage is dc 3 V and fed with regurated dc power supply from external power voltage jack.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (10 MΩ/V).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM ➡ : FM RF

• LCD1 INTERNAL CONNECTION





unless otherwise noted. pF: µµF
indicated except for electrolytics

nd ¼ W or less unless otherwise

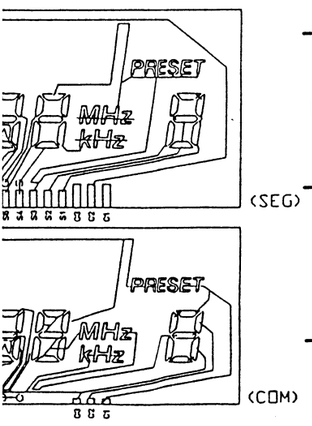
epair.
d fed with regurated dc power supply
e jack.
are dc with respect to ground under
ons.

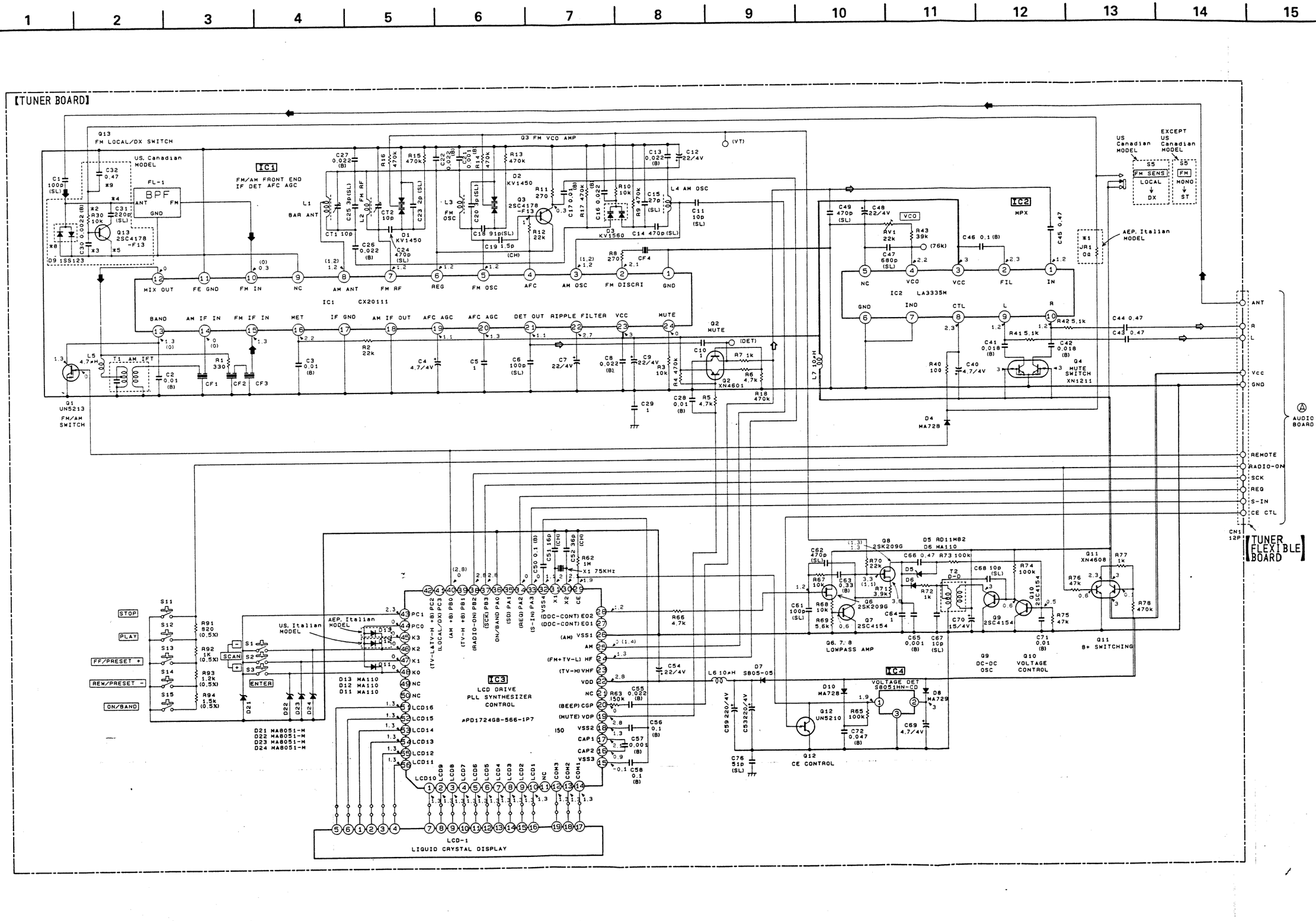
/OM (10 MΩ/V).
e noted due to normal production

a oscilloscope.
e noted due to normal production

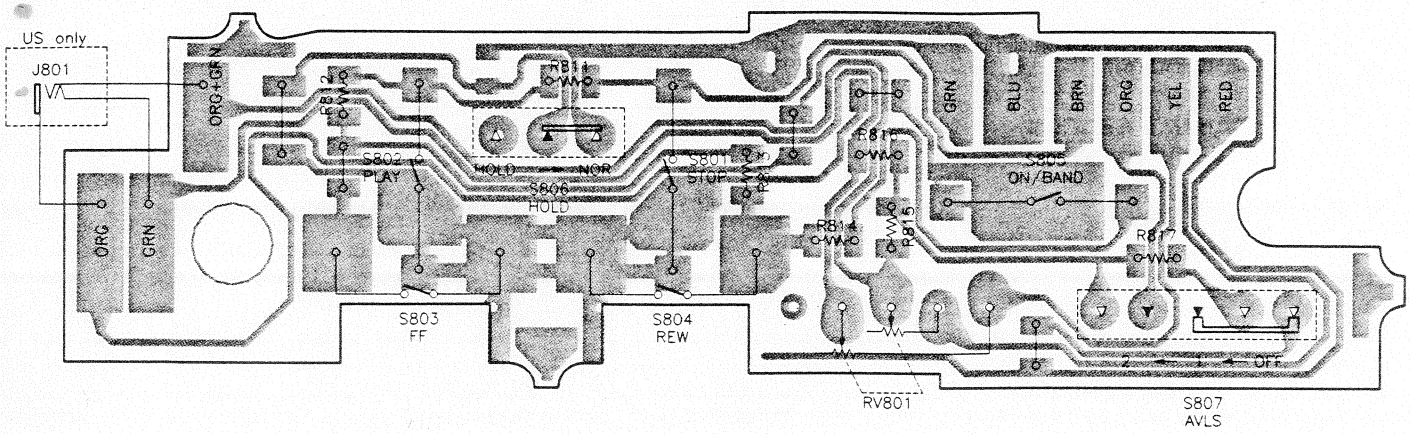
RF

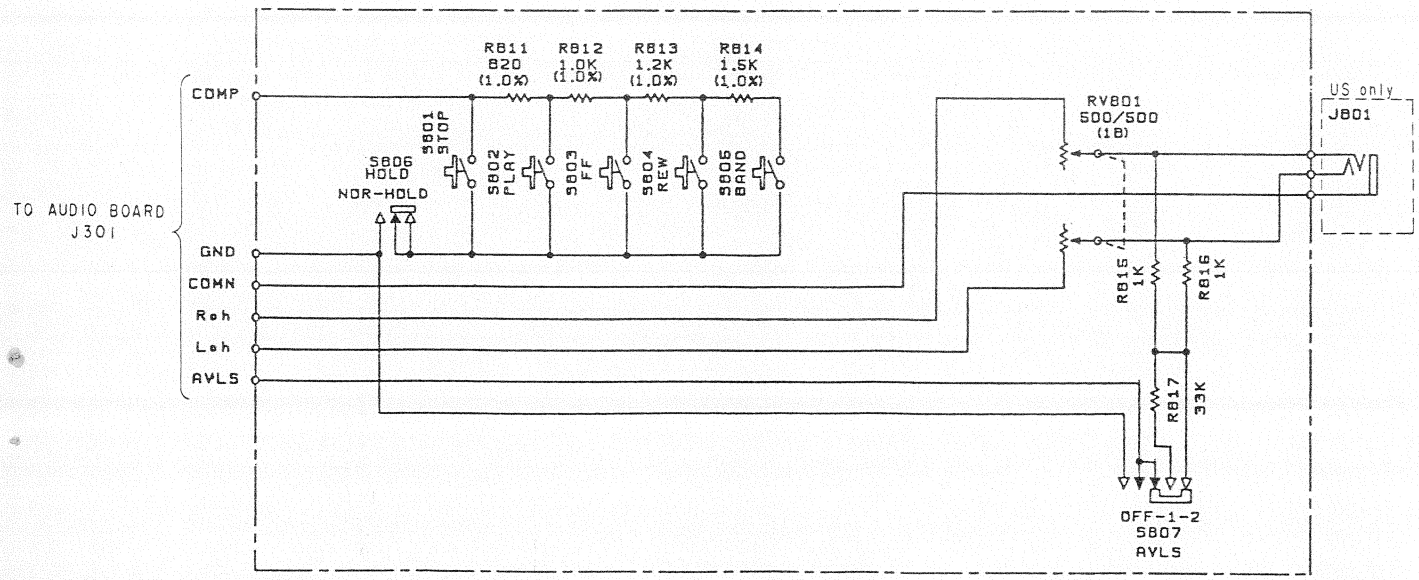
ON





5-3. REMOTE CONTROL PRINTED WIRING BOARD AND SCHEMATIC DIAGRAM



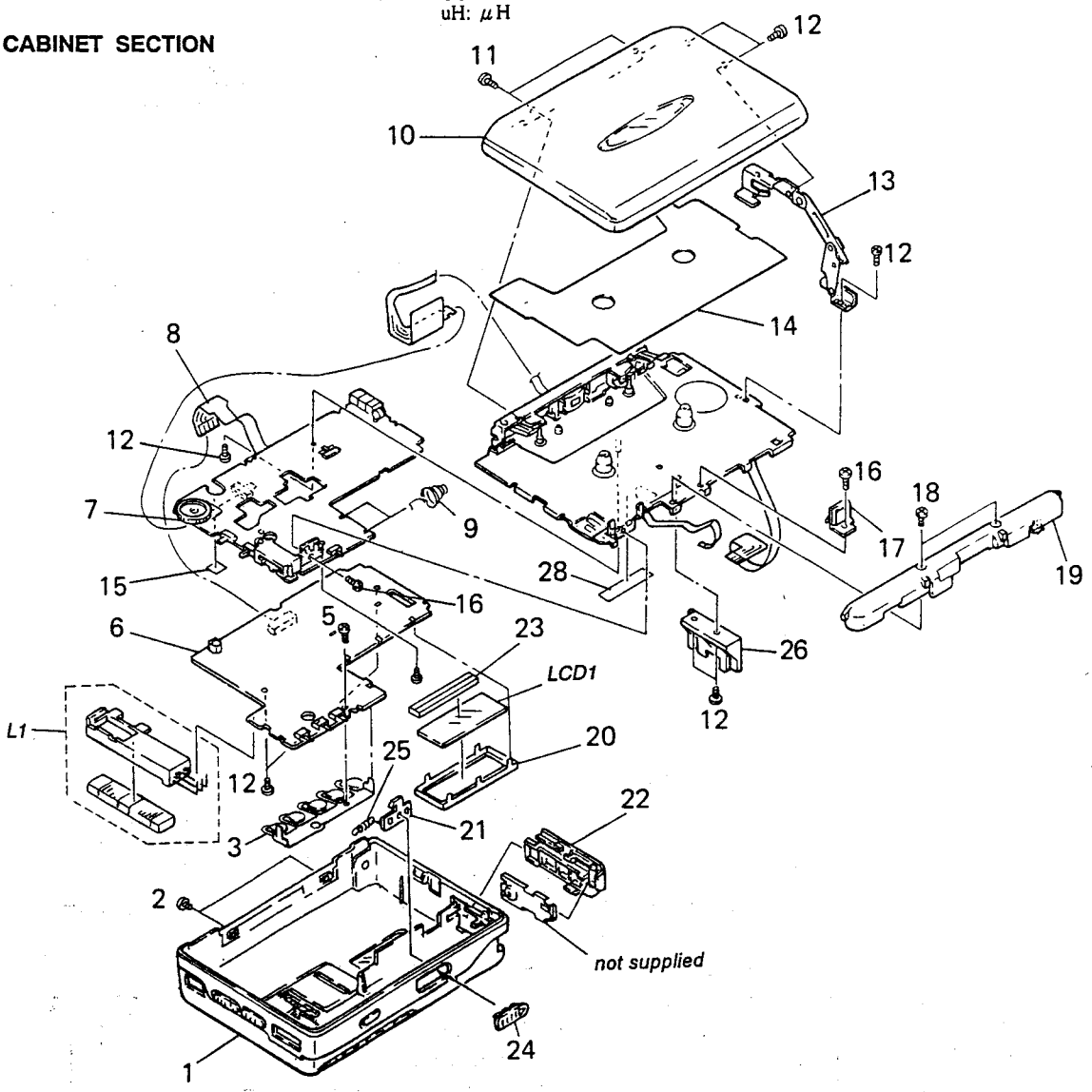


SECTION 6
EXPLODED VIEWS

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF: μF
- COILS
  uH: μH

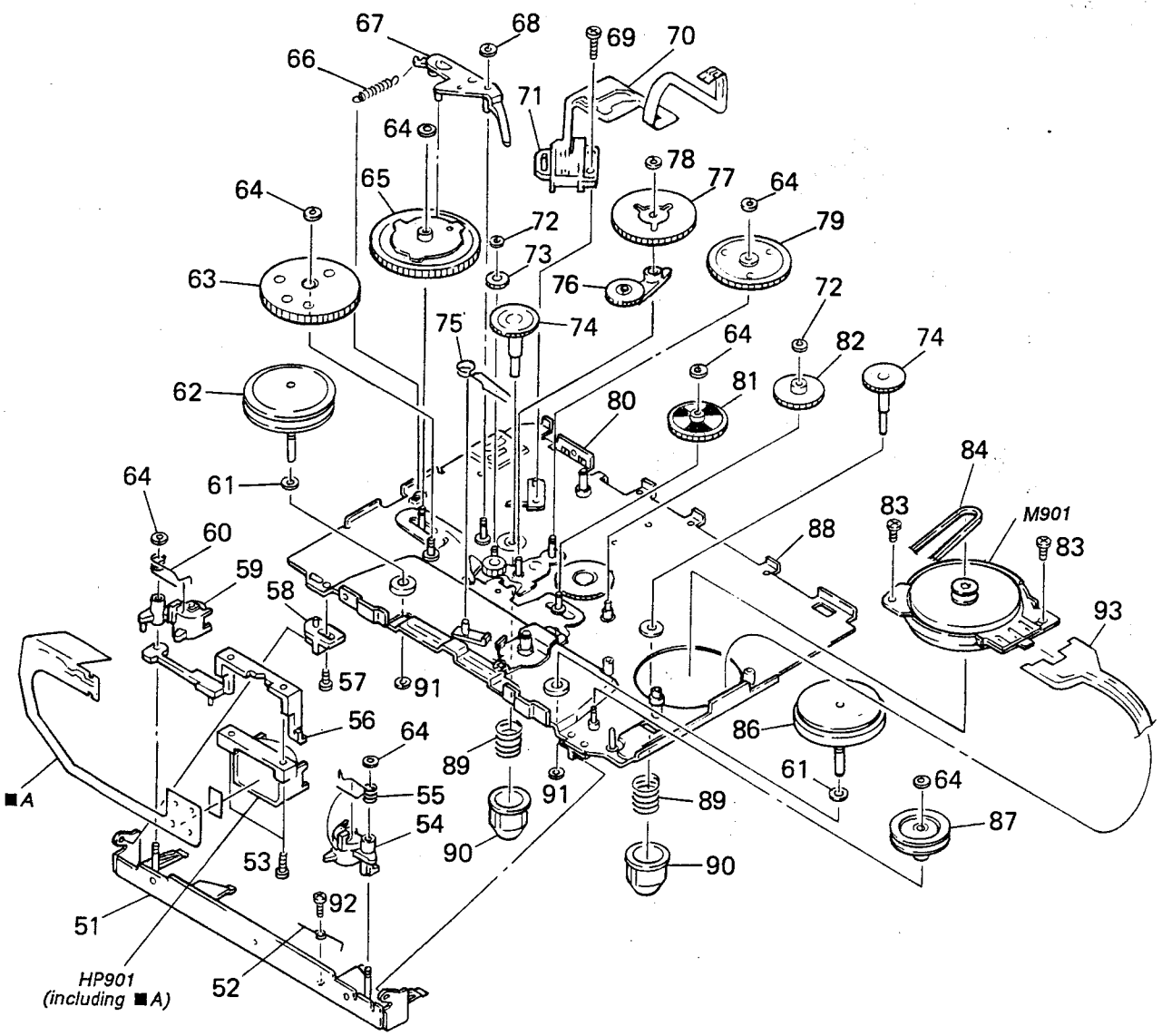
(1) CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	X-3364-604-1	CABINET (REAR) ASSY (CF-B)	
1	X-3364-768-1	CABINET (REAR) ASSY (CF-G) (US)	
1	X-3364-769-1	CABINET (REAR) ASSY (CF-B) (BLACK) (US, G, AEP, UK, E, IT)	
1	X-3364-770-1	CABINET (REAR) ASSY (CF-G) (GRAY) (G, AEP, UK, E, IT)	
2	3-704-197-13	SCREW (M1.4X2), LOCKING (BLACK)	
2	3-704-197-11	SCREW (M1.4X2), LOCKING (GRAY)	
3	3-376-285-01	BUTTON, CONTROL	
5	3-318-382-01	SCREW (1.7X3), TAPPING	
6	A-3016-169-A	TUNER BOARD, COMPLETE (US, Canadian)	
6	A-3016-185-A	TUNER BOARD, COMPLETE (G, AEP, UK, E)	
6	A-3016-187-A	TUNER BOARD, COMPLETE (IT)	
7	A-3016-168-A	AUDIO BOARD, COMPLETE (US)	
7	A-3016-221-A	AUDIO BOARD, COMPLETE (EXCEPT US)	
8	1-842-786-11	TUNER FLEXIBLE BOARD	
9	3-376-273-01	SPRING, CONTACT	
10	X-3364-607-1	LID ASSY (CF-B), CASSETTE (BLACK)	
10	X-3364-787-1	LID ASSY (CF-G), CASSETTE (GRAY)	
11	3-365-830-21	SCREW (M1.4) (GRAY)	
11	3-365-830-31	SCREW (M1.4) (BLACK)	

Ref. No.	Part No.	Description	Remark
12	3-704-197-11	SCREW (M1.4X2.0), LOCKING (GRAY)	
12	3-704-197-13	SCREW (M1.4X2.0), LOCKING (BLACK)	
13	X-3364-606-1	ARM ASSY, CLICK	
14	3-376-266-01	COVER, MD	
15	3-327-119-01	SPACER, ANT (US, Canadian, IT)	
16	3-704-197-01	SCREW (M1.4X1.6), LOCKING	
17	3-376-265-01	SPRING, CASSETTE RETAINER	
18	3-368-890-51	SCREW (M1.4X6.0)	
19	3-376-257-01	PANEL, BLIND	
* 20	3-376-286-01	REINFORCEMENT (LCD)	
21	3-376-247-01	SLIDER, OPEN	
22	3-376-272-01	LID (CF), BATTERY CASE (BLACK) (G, AEP, UK, E, IT)	
22	3-376-272-11	LID(CF), BATTERY CASE (SILVER)	
23	1-535-999-11	CONDUCTIVE BOARD CONNECTION	
24	3-376-246-01	KNOB (OPEN)	
25	3-376-248-01	SPRING, TENSION	
* 26	3-376-287-01	BRACKET	
* 28	3-377-435-01	LABEL	
L1	1-402-606-11	ANTENNA, FERRITE-ROD	
LCD1	1-809-643-11	DISPLAY PANEL, LIQUID CRYSTAL	

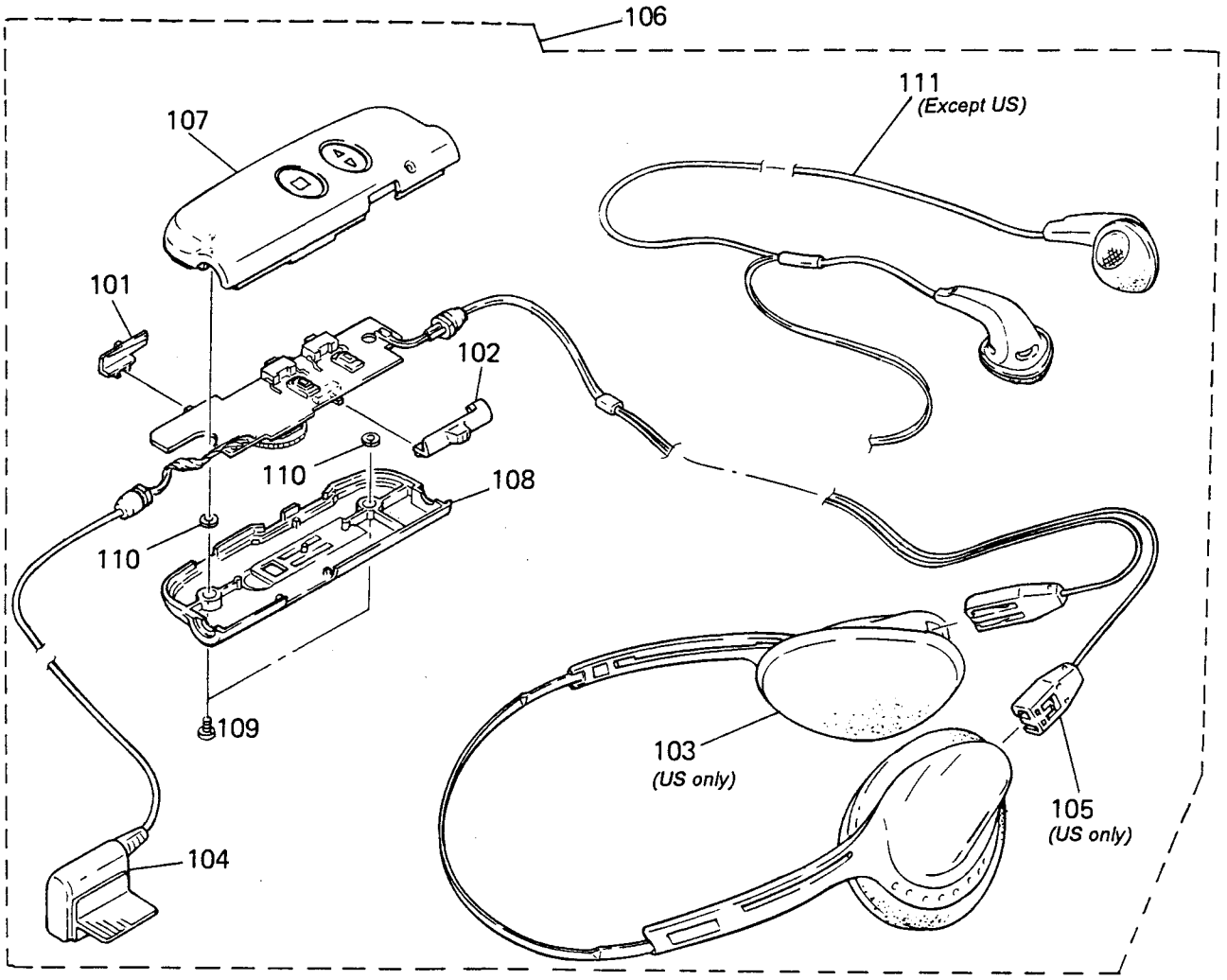
(2) MECHANICAL SECTION (MT-WMFX-55-60)



Ref. No.	Part No.	Description	Remark
51	X-3362-561-1	HOLDER ASSY	
52	3-365-769-01	SPRING (H)	
53	3-704-252-21	SCREW (M1.4X3.8)	
54	X-3362-560-1	PUNCH LEVER (R) ASSY	
55	3-379-057-01	SPRING (P-R)	
56	3-365-797-01	LEVER, HEAD	
57	3-704-197-91	SCREW (M1.4X1.8), LOCKING	
58	3-365-789-01	GUIDE (N), HOLDER	
59	X-3041-825-1	PUNCH LEVER (N) ASSY	
60	3-379-056-01	SPRING (P-N)	
61	3-354-407-11	WASHER	
62	X-3362-552-1	WHEEL (N) ASSY, CAPSTAN	
63	3-365-755-01	GEAR (K)	
64	3-349-859-11	WASHER	
65	3-365-800-01	GEAR, CAM	
66	3-365-766-01	SPRING (TRIGGER), TENSION	
67	3-365-802-01	LEVER (A), TRIGGER	
68	3-349-859-01	WASHER	
69	3-366-521-51	SCREW (M1.4X3.5)	
70	1-642-919-11	PC BOARD, SOLENOID FLEXIBLE	
71	1-454-583-11	SOLENOID, PLUNGER	
72	3-361-258-01	BUSHING (A)	

Ref. No.	Part No.	Description	Remark
73	3-365-783-01	GEAR (E)	
74	3-365-750-01	GEAR (REEL)	
75	3-365-785-01	SPRING (NR SELECTION)	
76	X-3362-555-1	FR ASSY	
77	3-365-754-01	GEAR (M)	
78	3-349-859-51	WASHER	
79	X-3362-554-1	CLUTCH ASSY	
* 80	1-642-782-11	ATS BOARD	
81	X-3362-553-1	GEAR (B) ASSY	
82	3-365-751-01	GEAR (A)	
83	3-331-047-03	SCREW (M1.4X1.8), SPECIAL HEAD	
84	3-365-765-01	BELT	
86	X-3362-551-1	WHEEL (R) ASSY, CAPSTAN	
87	3-365-760-01	PULLEY (REVERSE)	
* 88	X-3364-705-1	CHASSIS ASSY	
89	3-366-058-01	SPRING, COMPRESSION	
90	3-365-801-01	TABLE, REEL	
91	3-331-007-21	WASHER	
92	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3	
93	1-642-783-11	PC BOARD, MOTOR FLEXIBLE	
HP901	1-543-922-11	HEAD, MAGNETIC (PLAYBACK)	
M901	1-541-971-11	MOTOR	

(3) REMOTE CONTROL



Ref. No.	Part No.	Description	Remark
101	3-378-325-01	KNOB (A), REMOTE CONTROL	
102	3-378-324-01	KNOB (B), REMOTE CONTROL	
103	8-953-341-91	HEADPHONE MDR-14/1 SET (US)	
104	1-690-927-11	CORD (WITH PLUG)	
105	1-690-764-11	CORD (WITH CONNECTOR)	
106	A-3041-704-A	REMOTE CONTROL COMPLETE ASSY (US)	
106	A-3041-747-A	REMOTE CONTROL COMPLETE ASSY (EXCEPT US)	

Ref. No.	Part No.	Description	Remark
* 107	3-378-326-01	CASE (UPPER) ASSY (US)	
* 107	3-378-326-11	CASE (UPPER) ASSY (EXCEPT US)	
* 108	X-3364-909-1	CASE (LOWER) ASSY	
109	3-318-204-31	SCREW (M1.7X6), TAPPING	
110	3-310-992-31	WASHER	
111	8-953-486-90	HEADPHONE MDR-E551PT//K SET(EXCEPT US)	

SECTION 7
ELECTRICAL PARTS LIST

ATS AUDIO

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA..: μA.. uPA..: μPA..
  uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS
  uF: μF
- COILS
  uH: μH

Ref. No.	Part No.	Description			Remark
*	1-642-782-11	ATS BOARD			
		*********			
		< SWITCH >			
S901	1-692-073-11	SWITCH, LEAF			
**********					
		A-3016-168-A AUDIO BOARD, COMPLETE (US)			
		A-3016-221-A AUDIO BOARD, COMPLETE (EXCEPT US)			
		**********			
	1-642-786-11	TUNER FLEXIBLE BOARD			
	3-376-273-01	SPRING, CONTACT			
		< CAPACITOR >			
C101	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C102	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C103	1-126-153-11	ELECT	22uF	20%	6.3V
C104	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C105	1-164-234-21	CERAMIC CHIP	1uF		16V
C106	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C107	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C108	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C109	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C110	1-135-176-21	TANTALUM CHIP	0.68uF	10%	20V
C111	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C112	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C113	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C114	1-164-234-21	CERAMIC CHIP	1uF		16V
C201	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C202	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C203	1-126-153-11	ELECT	22uF	20%	6.3V
C204	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C205	1-164-234-21	CERAMIC CHIP	1uF		16V
C206	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C207	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C208	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C209	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C210	1-135-176-21	TANTALUM CHIP	0.68uF	10%	20V
C211	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C212	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C213	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C214	1-164-234-21	CERAMIC CHIP	1uF		16V
C301	1-164-234-21	CERAMIC CHIP	1uF		16V
C303	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C304	1-126-154-11	ELECT	47uF	20%	6.3V
C305	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C306	1-135-221-11	TANTAL. CHIP	3.3uF	20%	4V
C307	1-126-153-11	ELECT	22uF	20%	6.3V
C308	1-135-221-11	TANTAL. CHIP	3.3uF	20%	4V
C309	1-163-833-00	CERAMIC CHIP	0.068uF		25V
C310	1-135-221-11	TANTAL. CHIP	3.3uF	20%	4V
C311	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C312	1-124-257-00	ELECT	2.2uF	20%	50V
C313	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C314	1-126-157-11	ELECT	10uF	20%	16V
C315	1-126-153-11	ELECT	22uF	20%	6.3V
C317	1-135-221-11	TANTAL. CHIP	3.3uF	20%	4V
C318	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C319	1-164-234-21	CERAMIC CHIP	1uF		16V
C320	1-124-434-00	ELECT	220uF	20%	4V
C321	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C322	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C323	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C324	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C601	1-124-464-11	ELECT	0.22uF	20%	50V
C602	1-135-145-11	TANTALUM CHIP	0.47uF	10%	35V
C603	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C604	1-126-160-11	ELECT	1uF	20%	50V
C605	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C606	1-163-833-00	CERAMIC CHIP	0.068uF		25V
C608	1-163-833-00	CERAMIC CHIP	0.068uF		25V
C609	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C610	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C611	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C702	1-135-221-11	TANTAL. CHIP	3.3uF	20%	4V
C703	1-126-252-11	ELECT	22uF	20%	4V
C704	1-164-238-11	CERAMIC CHIP	36PF	0.5PF	50V

AUDIO

Ref. No.	Part No.	Description		Remark
C705	1-164-005-11	CERAMIC CHIP	0.47uF	25V
C706	1-164-005-11	CERAMIC CHIP	0.47uF	25V
C707	1-164-234-21	CERAMIC CHIP	1uF	16V
C708	1-164-156-11	CERAMIC CHIP	0.1uF	25V
		< CONNECTOR >		
CN301	1-569-252-21	HOUSING, CONNECTOR (FPC) 5P		
		< DIODE >		
D101	8-719-422-37	DIODE	MA8051	
D201	8-719-422-37	DIODE	MA8051	
D301	8-719-975-06	LED	CL-70G-CD	
D302	8-719-420-51	DIODE	MA729	
D303	8-719-800-76	DIODE	1SS226	
D304	8-719-422-37	DIODE	MA8051	
D305	8-719-422-37	DIODE	MA8051	
D306	8-719-422-37	DIODE	MA8051	
D701	8-719-812-41	LED	TLR124	
D702	8-719-941-86	DIODE	DAN202U	
D703	8-719-941-86	DIODE	DAN202U	
D704	8-719-420-51	DIODE	MA729	
D705	8-719-941-09	DIODE	DAP202U	
D706	8-719-941-09	DIODE	DAP202U	
D707	8-719-105-47	DIODE	RD3.3M-B1	
		< IC >		
IC301	8-759-823-31	IC	LA4581MS	
IC302	8-759-701-07	IC	NJM2063AM	
IC303	8-759-512-77	IC	RC2106M	
IC601	8-759-996-13	IC	TLP326ADB	
IC701	8-759-046-94	IC	MSM6576-03GS-K	
		< JACK >		
J301	1-573-794-21	JACK (PHONES)		
J501	1-580-372-21	JACK (DC IN)		
		< JUMPER RESISTOR >		
JR1	1-216-864-11	METAL CHIP	0 5%	1/16W
JR2	1-216-864-11	METAL CHIP	0 5%	1/16W
JR3	1-216-864-11	METAL CHIP	0 5%	1/16W
JR4	1-216-864-11	METAL CHIP	0 5%	1/16W
JR5	1-216-864-11	METAL CHIP	0 5%	1/16W
JR6	1-216-864-11	METAL CHIP	0 5%	1/16W
JR7	1-216-864-11	METAL CHIP	0 5%	1/16W
JR8	1-216-864-11	METAL CHIP	0 5%	1/16W
JR9	1-216-864-11	METAL CHIP	0 5%	1/16W
JR10	1-216-864-11	METAL CHIP	0 5%	1/16W
JR11	1-216-864-11	METAL CHIP	0 5%	1/16W
JR12	1-216-864-11	METAL CHIP	0 5%	1/16W
JR13	1-216-864-11	METAL CHIP	0 5%	1/16W
JR101	1-216-296-00	METAL CHIP	0 5%	1/8W
JR102	1-216-296-00	METAL CHIP	0 5%	1/8W
JR103	1-216-296-00	METAL CHIP	0 5%	1/8W
		< COIL >		
L101	1-410-997-31	INDUCTOR CHIP	2.2uH	
L201	1-410-997-31	INDUCTOR CHIP	2.2uH	
L301	1-410-997-31	INDUCTOR CHIP	2.2uH	
L302	1-410-997-31	INDUCTOR CHIP	2.2uH	
L303	1-410-997-31	INDUCTOR CHIP	2.2uH	
L304	1-410-997-31	INDUCTOR CHIP	2.2uH	
L701	1-412-006-21	INDUCTOR CHIP	10uH	
		< PHOTO INTERUPTER >		
PH701	8-759-710-38	DIODE, PHOTO	NJL5161K-F1-B	
		< TRANSISTOR >		
Q101	8-729-420-53	TRANSISTOR	UN5115	
Q102	8-729-402-55	TRANSISTOR	2SB1218A-R	
Q201	8-729-420-53	TRANSISTOR	UN5115	
Q202	8-729-402-55	TRANSISTOR	2SB1218A-R	
Q301	8-729-602-21	TRANSISTOR	2SC4154	
Q302	8-729-403-17	TRANSISTOR	XN1215	
Q303	8-729-402-32	TRANSISTOR	2SD1819A-R	
Q304	8-729-807-87	TRANSISTOR	2SB1295-UL6	
Q305	8-729-402-32	TRANSISTOR	2SD1819A-R	
Q306	8-729-403-17	TRANSISTOR	XN1215	
Q307	8-729-403-45	TRANSISTOR	XN1115	
Q308	8-729-402-93	TRANSISTOR	UN5214	
Q309	8-729-402-55	TRANSISTOR	2SB1218A-R	
Q310	8-729-402-32	TRANSISTOR	2SD1819A-R	
Q311	8-729-403-17	TRANSISTOR	XN1215	
Q312	8-729-420-53	TRANSISTOR	UN5115	
Q313	8-729-420-50	TRANSISTOR	UN5215	
Q314	8-729-602-21	TRANSISTOR	2SC4154	
Q315	8-729-420-50	TRANSISTOR	UN5215	
Q603	8-729-141-48	TRANSISTOR	2SB624-BV345	
Q604	8-729-141-48	TRANSISTOR	2SB624-BV345	
Q605	8-729-402-93	TRANSISTOR	UN5214	
Q606	8-729-140-75	TRANSISTOR	2SD999-CLCK	
Q701	8-729-421-26	TRANSISTOR	UN5216	
Q702	8-729-420-50	TRANSISTOR	UN5215	
Q703	8-729-402-93	TRANSISTOR	UN5214	
Q704	8-729-921-58	TRANSISTOR	DTA144TU	
Q705	8-729-602-36	TRANSISTOR	2SA1602	
Q706	8-729-602-21	TRANSISTOR	2SC4154	
Q709	8-729-602-36	TRANSISTOR	2SA1602	

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R101	1-216-841-11	METAL CHIP	47K	5%	1/16W
R102	1-216-841-11	METAL CHIP	47K	5%	1/16W
R103	1-218-484-11	METAL GLAZE	750	5%	1/16W
R104	1-216-836-11	METAL CHIP	18K	5%	1/16W
R105	1-216-835-11	METAL CHIP	15K	5%	1/16W
R106	1-216-855-11	METAL CHIP	680K	5%	1/16W
R107	1-218-448-11	METAL GLAZE	430K	5%	1/16W
R108	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R109	1-216-841-11	METAL CHIP	47K	5%	1/16W
R110	1-216-835-11	METAL CHIP	15K	5%	1/16W
R111	1-216-833-11	METAL CHIP	10K	5%	1/16W
R112	1-218-292-11	METAL GLAZE	20K	5%	1/16W
R113	1-216-831-11	METAL CHIP	6.8K	5%	1/16W(US)
R113	1-216-832-11	METAL CHIP	8.2K	5%	1/16W (EXCEPT US)
R115	1-216-815-11	METAL CHIP	330	5%	1/16W
R116	1-216-809-11	METAL CHIP	100	5%	1/16W
R201	1-216-841-11	METAL CHIP	47K	5%	1/16W
R202	1-216-841-11	METAL CHIP	47K	5%	1/16W
R203	1-218-484-11	METAL GLAZE	750	5%	1/16W
R204	1-216-836-11	METAL CHIP	18K	5%	1/16W
R205	1-216-835-11	METAL CHIP	15K	5%	1/16W
R206	1-216-855-11	METAL CHIP	680K	5%	1/16W
R207	1-218-448-11	METAL GLAZE	430K	5%	1/16W
R208	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R209	1-216-841-11	METAL CHIP	47K	5%	1/16W
R210	1-216-835-11	METAL CHIP	15K	5%	1/16W
R211	1-216-833-11	METAL CHIP	10K	5%	1/16W
R212	1-218-292-11	METAL GLAZE	20K	5%	1/16W
R213	1-216-831-11	METAL CHIP	6.8K	5%	1/16W(US)
R213	1-216-832-11	METAL CHIP	8.2K	5%	1/16W (EXCEPT US)
R215	1-216-815-11	METAL CHIP	330	5%	1/16W
R216	1-216-809-11	METAL CHIP	100	5%	1/16W
R301	1-216-841-11	METAL CHIP	47K	5%	1/16W
R302	1-216-845-11	METAL CHIP	100K	5%	1/16W
R303	1-218-448-11	METAL GLAZE	430K	5%	1/16W
R304	1-216-839-11	METAL CHIP	33K	5%	1/16W
R305	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R306	1-216-240-00	METAL GLAZE	56K	5%	1/8W
R307	1-216-845-11	METAL CHIP	100K	5%	1/16W
R308	1-216-821-11	METAL CHIP	1K	5%	1/16W
R309	1-216-821-11	METAL CHIP	1K	5%	1/16W
R310	1-216-845-11	METAL CHIP	100K	5%	1/16W
R311	1-216-845-11	METAL CHIP	100K	5%	1/16W
R312	1-216-833-11	METAL CHIP	10K	5%	1/16W
R313	1-216-845-11	METAL CHIP	100K	5%	1/16W
R314	1-216-833-11	METAL CHIP	10K	5%	1/16W
R315	1-216-849-11	METAL CHIP	220K	5%	1/16W
R316	1-216-817-11	METAL CHIP	470	5%	1/16W
R317	1-216-813-11	METAL CHIP	220	5%	1/16W
R318	1-216-833-11	METAL CHIP	10K	5%	1/16W
R319	1-216-821-11	METAL CHIP	1K	5%	1/16W
R601	1-216-821-11	METAL CHIP	1K	5%	1/16W
R602	1-216-821-11	METAL CHIP	1K	5%	1/16W
R605	1-216-843-11	METAL CHIP	68K	5%	1/16W
R606	1-216-836-11	METAL CHIP	18K	5%	1/16W
R607	1-216-797-11	METAL GLAZE	10	5%	1/16W
R608	1-216-833-11	METAL CHIP	10K	5%	1/16W
R609	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R610	1-216-809-11	METAL CHIP	100	5%	1/16W
R611	1-216-809-11	METAL CHIP	100	5%	1/16W
R701	1-216-674-11	METAL CHIP	9.1K	0.5%	1/10W
R702	1-216-640-11	METAL CHIP	360	0.5%	1/10W
R703	1-216-821-11	METAL CHIP	1K	5%	1/16W
R704	1-216-815-11	METAL CHIP	330	5%	1/16W
R705	1-216-847-11	METAL CHIP	150K	5%	1/16W
R706	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R710	1-216-841-11	METAL CHIP	47K	5%	1/16W
R711	1-216-845-11	METAL CHIP	100K	5%	1/16W
R713	1-216-845-11	METAL CHIP	100K	5%	1/16W
R714	1-216-845-11	METAL CHIP	100K	5%	1/16W
R717	1-216-851-11	METAL CHIP	330K	5%	1/16W
R718	1-216-845-11	METAL CHIP	100K	5%	1/16W
R719	1-216-845-11	METAL CHIP	100K	5%	1/16W
R720	1-216-839-11	METAL CHIP	33K	5%	1/16W
R721	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R722	1-216-821-11	METAL CHIP	1K	5%	1/16W
R723	1-216-845-11	METAL CHIP	100K	5%	1/16W
R724	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R725	1-216-809-11	METAL CHIP	100	5%	1/16W

< VARIABLE RESISTOR >

RV301	1-241-853-11	RES, VAR, CARBON (10K/10K)
RV601	1-241-916-11	RES, VAR, CARBON (4.7K)

< SWITCH >

S301	1-571-275-31	SWITCH, SLIDE (DOLBY NR)
S303	1-571-506-41	SWITCH, SLIDE (MEGA BASS)
S701	1-692-072-11	SWITCH, PUSH (A/B)
S702	1-571-275-31	SWITCH, SLIDE (MODE)
S703	1-572-581-11	SWITCH, SLIDE (NR SW)

< VIBRATOR >

X701	1-579-615-11	VIBRATOR, CRYSTAL (32.768KHz)

AUDIO TUNER

Ref. No.	Part No.	Description			Remark
	A-3041-704-A	REMOTE CONTROL COMPLETE ASSY (EXCEPT US)			
	A-3041-747-A	REMOTE CONTROL COMPLETE ASSY (US)			
		**********			
J801	1-690-764-11	CORD (WITH CONNECTOR) (US)			
	1-690-927-11	CORD (WITH PLUG)			
		< JUMPER RESISTOR >			
JR1	1-216-295-00	METAL CHIP	0	5%	1/10W
JR2	1-216-295-00	METAL CHIP	0	5%	1/10W
JR3	1-216-296-00	METAL CHIP	0	5%	1/8W
JR4	1-216-295-00	METAL CHIP	0	5%	1/10W
		< RESISTOR >			
R811	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R812	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R813	1-216-653-11	METAL CHIP	1.2K	0.5%	1/10W
R814	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R815	1-216-049-00	METAL CHIP	1K	5%	1/10W
R816	1-216-049-00	METAL CHIP	1K	5%	1/10W
R817	1-216-085-00	METAL CHIP	33K	5%	1/10W
		< SWITCH >			
S801	1-572-473-11	SWITCH, TACTIL (STOP)			
S802	1-572-473-11	SWITCH, TACTIL (PLAY)			
S803	1-570-204-21	SWITCH, KEY BOARD (FF)			
S804	1-570-204-21	SWITCH, KEY BOARD (REW)			
S805	1-572-473-11	SWITCH, TACTIL (BAND)			
S806	1-570-675-11	SWITCH, SLIDE (HOLD)			
S807	1-570-386-21	SWITCH, SLIDE (AVLS)			
		**********			
	A-3016-169-A	TUNER BOARD, COMPLETE (US, Canadian)			
	A-3016-185-A	TUNER BOARD, COMPLETE (G, AEP, UK, E)			
	A-3016-187-A	TUNER BOARD, COMPLETE (IT)			
		**********			
	1-535-999-11	CONDUCTIVE BOARD, CONNECTION			
	3-376-285-01	BUTTON, CONTROL			
*	3-376-286-01	REINFORCEMENT (LCD)			
		< CAPACITOR >			
C1	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C2	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C3	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C4	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C5	1-164-346-11	CERAMIC CHIP	1uF		16V
C6	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C7	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C8	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C9	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C10	1-164-346-11	CERAMIC CHIP	1uF		16V
C11	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C12	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C13	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C14	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C15	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C16	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C17	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C18	1-163-116-00	CERAMIC CHIP	91PF	5%	50V
C19	1-163-085-00	CERAMIC CHIP	2PF		50V
C20	1-163-086-00	CERAMIC CHIP	3PF		50V
C21	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C22	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C23	1-163-085-00	CERAMIC CHIP	2PF		50V
C24	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C25	1-163-086-00	CERAMIC CHIP	3PF		50V
C26	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C27	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C28	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C29	1-164-346-11	CERAMIC CHIP	1uF		16V
C30	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V (US, Canadian)
C31	1-163-125-00	CERAMIC CHIP	220PF	5%	50V (US, Canadian)
C32	1-164-005-11	CERAMIC CHIP	0.47uF		25V (US, Canadian)
C40	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C41	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C42	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C43	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C44	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C45	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C46	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C47	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C48	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C49	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C50	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C51	1-163-098-00	CERAMIC CHIP	16PF	5%	50V
C52	1-163-106-00	CERAMIC CHIP	36PF	5%	50V
C53	1-124-576-11	ELECT	220uF	20%	4V
C54	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C55	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C56	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C57	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C58	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V

Ref. No.	Part No.	Description			Remark
C59	1-124-576-11	ELECT	220uF	20%	4V
C61	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C62	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C63	1-162-568-11	CERAMIC CHIP	0.33uF	10%	16V
C64	1-164-346-11	CERAMIC CHIP	1uF		16V
C65	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C66	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C67	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C68	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C69	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C70	1-135-158-21	TANTALUM CHIP	15uF	20%	4V
C71	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C72	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C76	1-163-110-00	CERAMIC CHIP	51PF	5%	50V

< FILTER >

CF1	1-577-261-21	FILTER, CERAMIC
CF2	1-579-214-21	FILTER, CERAMIC
CF3	1-579-214-21	FILTER, CERAMIC
CF4	1-579-578-11	FILTER, CERAMIC

< CONNECTOR >

* CN1	1-573-536-11	HOUSING, CONNECTOR (FPC) 12P

< TRIMMER >

CT1	1-141-298-11	CAP, TRIMMER
CT2	1-141-298-11	CAP, TRIMMER

< DIODE >

D1	8-719-981-25	DIODE	KV1450
D2	8-719-981-25	DIODE	KV1450
D3	8-719-951-05	DIODE	KV1560
D4	8-719-421-27	DIODE	MA728
D5	8-719-106-62	DIODE	RD11M-B2
D6	8-719-404-46	DIODE	MA110
D7	8-719-938-75	DIODE	SB05-05CP
D8	8-719-420-51	DIODE	MA729
D9	8-719-800-76	DIODE	1SS226 (US, Canadian)
D10	8-719-421-27	DIODE	MA728
D11	8-719-404-46	DIODE	MA110 (US, Canadian, IT)
D12	8-719-404-46	DIODE	MA110
D13	8-719-404-46	DIODE	MA110 (G, AEP, UK, E, IT)
D21	8-719-422-37	DIODE	MA8051
D22	8-719-422-37	DIODE	MA8051
D23	8-719-422-37	DIODE	MA8051
D24	8-719-422-37	DIODE	MA8051

Ref. No.	Part No.	Description			Remark
		< FILTER >			
FL1	1-236-921-21	FILTER, BAND PASS			
		< IC >			
IC1	8-752-050-00	IC	CX20111		
IC2	8-759-804-98	IC	LA3335M		
IC3	8-759-060-70	IC	uPD1724GB-566-1P7		
IC4	8-759-947-95	IC	S-8051HN-CD-S		
		< JUMPER RESISTOR >			
JR1	1-216-295-00	METAL CHIP	0	5%	1/10W (G, AEP, UK, E, IT)
JR2	1-216-295-00	METAL CHIP	0	5%	1/10W
JR3	1-216-296-00	METAL CHIP	0	5%	1/8W
		< COIL >			
L1	1-402-606-11	ANTENNA, FERRITE-ROD			
L2	1-460-308-11	COIL (WITH CORE) (RF)			
L3	1-460-309-11	COIL (WITH CORE) (OSC)			
L4	1-406-463-11	COIL (OSC)			
L5	1-412-002-31	INDUCTOR CHIP	4.7uH		
L6	1-412-006-31	INDUCTOR CHIP	10uH		
L7	1-412-006-31	INDUCTOR CHIP	10uH		
		< LIQUID CRYSTAL DISPLAY >			
LCD1	1-809-643-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< TRANSISTOR >			
Q1	8-729-402-42	TRANSISTOR	UN5213		
Q2	8-729-402-84	TRANSISTOR	XN4601		
Q3	8-729-117-72	TRANSISTOR	2SC4178		
Q4	8-729-429-92	TRANSISTOR	XN1211		
Q6	8-729-220-93	TRANSISTOR	2SK209-G		
Q7	8-729-602-21	TRANSISTOR	2SC4154		
Q8	8-729-220-93	TRANSISTOR	2SK209-G		
Q9	8-729-602-21	TRANSISTOR	2SC4154		
Q10	8-729-602-21	TRANSISTOR	2SC4154		
Q11	8-729-402-16	TRANSISTOR	XN4608		
Q12	8-729-420-44	TRANSISTOR	UN5210		
Q13	8-729-117-72	TRANSISTOR	2SC4178 (US, Canadian)		
		< RESISTOR >			
R1	1-216-186-00	METAL GLAZE	330	5%	1/8W
R2	1-216-081-00	METAL CHIP	22K	5%	1/10W
R3	1-216-073-00	METAL CHIP	10K	5%	1/10W
R4	1-216-113-00	METAL CHIP	470K	5%	1/10W
R5	1-216-065-00	METAL CHIP	4.7K	5%	1/10W

TUNER

Ref. No.	Part No.	Description			Remark
R6	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R7	1-216-049-00	METAL CHIP	1K	5%	1/10W (US, Canadian)
R8	1-216-035-00	METAL CHIP	270	5%	1/10W
R9	1-216-113-00	METAL CHIP	470K	5%	1/10W
R10	1-216-073-00	METAL CHIP	10K	5%	1/10W
R11	1-216-035-00	METAL CHIP	270	5%	1/10W
R12	1-216-081-00	METAL CHIP	22K	5%	1/10W
R13	1-216-113-00	METAL CHIP	470K	5%	1/10W
R14	1-216-113-00	METAL CHIP	470K	5%	1/10W
R15	1-216-113-00	METAL CHIP	470K	5%	1/10W
R16	1-216-113-00	METAL CHIP	470K	5%	1/10W
R17	1-216-113-00	METAL CHIP	470K	5%	1/10W
R18	1-216-113-00	METAL CHIP	470K	5%	1/10W
R30	1-216-073-00	METAL CHIP	10K	5%	1/10W (US, Canadian)
R40	1-216-025-00	METAL CHIP	100	5%	1/10W
R41	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R42	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R43	1-216-236-00	METAL GLAZE	39K	5%	1/8W
R62	1-216-121-00	METAL CHIP	1M	5%	1/10W
R63	1-216-101-00	METAL CHIP	150K	5%	1/10W
R65	1-216-097-00	METAL CHIP	100K	5%	1/10W
R66	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R67	1-216-073-00	METAL CHIP	10K	5%	1/10W
R68	1-216-073-00	METAL CHIP	10K	5%	1/10W
R69	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R70	1-216-081-00	METAL CHIP	22K	5%	1/10W
R71	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R72	1-216-049-00	METAL CHIP	1K	5%	1/10W
R73	1-216-097-00	METAL CHIP	100K	5%	1/10W
R74	1-216-097-00	METAL CHIP	100K	5%	1/10W
R75	1-216-089-00	METAL CHIP	47K	5%	1/10W
R76	1-216-089-00	METAL CHIP	47K	5%	1/10W
R77	1-216-049-00	METAL CHIP	1K	5%	1/10W
R78	1-216-113-00	METAL CHIP	470K	5%	1/10W
R91	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R92	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R93	1-216-653-11	METAL CHIP	1.2K	0.5%	1/10W
R94	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W

< VARIABLE RESISTOR >

RV1	1-238-167-21	RES, ADJ, CARBON 22K

< SWITCH >

S1	1-570-204-21	SWITCH, KEY BOARD (DOWN)
S2	1-570-204-21	SWITCH, KEY BOARD (UP)
S3	1-570-204-21	SWITCH, KEY BOARD (ENTER)
S5	1-571-275-31	SWITCH, SLIDE LOCAL/DX (MONO/ST)
S11	1-571-533-31	SWITCH, KEY BOARD (STOP)
S12	1-571-533-31	SWITCH, KEY BOARD (PLAY)
S13	1-571-533-31	SWITCH, KEY BOARD (FF)
S14	1-571-533-31	SWITCH, KEY BOARD (REW)
S15	1-571-533-31	SWITCH, KEY BOARD (ON/BAND)

< TRANSFORMER >

T1	1-416-008-11	TRANSFORMER, IF
T2	1-449-021-21	TRANSFORMER, DC-DC CONVERTER

< VIBRATOR >

X1	1-579-615-21	VIBRATOR, CRYSTAL

****

MISCELLANEOUS

****

70	1-642-919-11	PC BOARD, SOLENOID FLEXIBLE (US)
71	1-454-583-11	SOLENOID, PLUNGER (US)
93	1-642-783-11	PC BOARD, MOTOR FLEXIBLE
103	8-953-341-91	HEADPHONE MDR-14/1 SET (US)
HP901	1-543-922-11	HEAD, MAGNETIC (PLAYBACK) (US)
M901	1-541-971-11	MOTOR

****

ACCESSORIES & PACKING MATERIALS

****

1-691-322-11 ADAPTOR, PLUG

* 3-376-758-01 INDIVIDUAL CARTON (US)
* 3-376-759-01 INDIVIDUAL CARTON (EXCEPT US)

3-380-124-01 CASE, CARRYING

3-754-832-11 MANUAL, INSTRUCTION (ENGLISH, FRENCH) (AE6, AE7, UK, IT)
3-754-832-21 MANUAL, INSTRUCTION (ENGLISH) (US)
3-754-832-31 MANUAL, INSTRUCTION (ENGLISH, FRENCH) (Canadian, E)
3-754-832-41 MANUAL, INSTRUCTION (GERMAN, SPANISH) (E)
3-754-832-51 MANUAL, INSTRUCTION (GERMAN, SPANISH) (AE6, AE7, IT)
3-754-832-61 MANUAL, INSTRUCTION (DUTCH, SWEDISH) (AE6, AE7, IT)
3-754-832-71 MANUAL, INSTRUCTION (ITALIAN, PORTUGUESE) (AE6, AE7, IT)

8-953-486-90 HEADPHONE MDR-E551PT//K SET (EXCEPT US)
8-953-341-91 HEADPHONE MDR-14/1 SET (US)

X-3329-657-1 ATTACHMENT ASSY (AE6, UK, E, IT)

9-956-964-11

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